

BOOK REVIEWS

PHASE I BOOK EXPLOITATION SOV/4563

Metody polucheniya i izmereniya radioaktivnykh preparatov; sbornik statey (Methods for the Production and Measurement of Radioactive Preparations; Collection of Articles) Moscow, Atomizdat, 1960. 307 p. Errata slip inserted. 6,000 copies printed.

General Ed.: Valeriy Viktorovich Bochkarev; Ed.: M.A. Saguro; Tech. Ed.: N.A. Vlasova.

PURPOSE: This collection of articles is intended for scientific and technical personnel working in the production of radioactive isotopes.

COVERAGE: The collection contains original studies on methods of obtaining and measuring radioactive preparations. According to the foreword, the articles contain new data, and are of theoretical or practical interest to the extent that they discuss methods or give process information. In addition to several survey articles the collection contains discussions on the production of radioactive isotopes and inorganic radioactive preparations, including a number of carrier-free isotopes and several colloidal and other therapeutic preparations. Also discussed are methods for preparing

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Methods for the Production (Cont.)

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ing a number of tagged organic compounds, problems in the analysis of tagged organic compounds, the absolute and relative measurement of activity, and the radiometric analysis of preparations. New instruments and equipment are described and instructions concerning measurement methods and technique are included. V.I. Levin, Candidate of Chemical Sciences, V.P. Shishkov, Candidate of Technical Sciences, I.N. Bukharov, Candidate of Biological Sciences, and V.I. Shostak, Candidate of Chemical Sciences, are mentioned as having helped directly in the selection and preparation of the material for publication. References accompany each article.

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AVAILABLE: Library of Congress (QD466.B47)

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JA/wrc/sfm
1/25/61

KURCHATOV, L.N.; LEVIN, V.I.

Evaluation of the cross sections of nuclear reactions $Sc^{45}(n, \gamma)K^{42}$,
 $Ca^{42}(n,p)K^{42}$ and $Ca^{43}(n,p)K^{43}$. Preparation of carrier-free K^{42} and
 K^{43} . Radichimiia 7 no.3:336-341 '65. (MIRA 18,7)

БИБЛIOГРАФИЧЕСКАЯ ИНФОРМАЦИЯ

Effective cross-sections of the reaction $\text{Ca}^{48}(\text{n},2\text{n})\text{Ca}^{47}$ for
14-15 MeV neutrons and for 15-16 MeV neutrons. Radichuk and
Lobanova, 1977, 109-110. (MVRB 70-8)

KURCHAVOV, A.M.; DOROKHOV, I.L.

Mesozoic basalts in Karkaralinsk District of central Kazakhstan.
Vest. Mosk. un. Ser. 4 Geol. 20 no. 6:36-38 N-D '65
(MIRA 19:1)

1. Kafedra istoricheskoy i regional'noy geologii Moskovskogo
gosudarstvennogo universitata. Submitted May 14, 1965.

TIKHOV, V.G.; DOROKHOV, I.L.; KURCHAVOV, A.M.

New form of relationship between extrusions and intrusions in
central Kazakhstan. Vest. Mosk. un. Ser. 4: Geol. 19 no.4:
13-21 J1-Ag '64. (MIRA 17:11)

1. Kafedra istoricheskoy i regional'noy geologii Moskovskogo universiteta.

KURCHAVOV, G.K.

Functional and morphological changes in the organs of the gastrointestinal tract after stomach resection; clinicexperimental research. Khirurgiya 39 no.6:65-75 Ja '63. (MIR 17:5)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomi (zav. - prof. A.N. Skobunova) Sverdlovskogo meditsinskogo instituta.

KURCHAVOV, G.K. (Sverdlovsk, ul. Anri Barbyusa, d.2, kv.14)

Morphological changes in the liver following gastrectomy. Vest. khir. 91 no.8:64-70 Ag'63 (MIRA 17:3)

1. Iz kafedry operativnoy khirurgii (zav. - prof. A.N. Skobunova) Sverdlovskogo meditsinskogo instituta (rektor - prof. A.F. Zverev) i gistolicheskogo kabineta Ural'skogo universiteta (zav. - dotsent N.A. Ol'shvan).

FROLOVA, T.I.; KURCHAVOV, A.M.

Subvolcanic bodies of basic composition among Paleozoic deposits
in the Magnitogorsk synclinorium of the Southern Urals. Vest.Mosk.
un.Ser.4: Geol. 17 no.1:40-49 Ju-F '62. (MIRA 15:2)

1. Kafedra petrografii Moskovskogo universiteta.
(Ural Mountains--Rocks, Igneous)

USSR/Chemistry - Corrosion

Card 1/1 Pub. 50 - 16/19 FD-973

Authors : Tseytlin, Kh. L., Kurcheninova, N. K., Babitskaya, S. M. Babakov, A. A.

Title : The corrosion of steel by hot solutions of caustic alkali under pressure

Periodical : Khim. prom., No 7, 438-440 (54-56), Oct-Nov 1954

Abstract : In the experimental work described, determined the resistance of 7 grades of steel to corrosion by hot solutions of caustic alkali under pressure. The type of corrosion studied leads to cracking of the steel. Four tables.

Institution: Institute of Organic Intermediates and Dyestuffs imeni K. Ye. Voroshilov.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620020-3

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620020-3"

USSR/Chemistry - Herbicides

FD-3370

Card 1/1 Pub. 50 - 14/20

Authors : Shebuyev, A. N., Cand Chem Sci; Peshekhonova, A. I., Kirilenko, V. G.,
Kurcheninova, N. K.

Title : A method for the bromometric determination of monochlorophenoxy-
acetic acids in 2,4-D.

Periodical : Khim. prom. No 7, 430-431, Oct-Nov 1955

Abstract : Developed a method of determining monochloroacetic acids in 2,4-D,
which in combination with a titrimetric determination of the sepa-
rated acids with the aid of two indicators makes it possible to de-
termine the content of physiologically active substance in technical
2,4-D. Four references, 2 USSR, both since 1940. Three tables.

Institution : Scientific Research Institute of Organic Intermediates and Dyestuffs
imeni K. Ye. Voroshilov.

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KURCHENINOVA, N.K.; VINOGRAD, L.Kh.; SALOVA, R.A.

Effect of the moisture content of aluminum oxide on the sharpness
of separation in chromatography. Zav. lab. 30 no.9, 1976 '64.

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley.

(M.RA 18:3)

Kurchenko, A.P.

KURCHENKO, A.P.

Modification of three-cylinder draw boxes. Tekst.prom. 17 no.9:42-43
S '57. (MIRA 10:11)

1. Glavnnyy inzhener fabriki imeni Krasnoy Armii i Flota.
(Spinning machinery)

KURCHENKO, A.P., inzh.; SHAYDO, N.M., inzh.

Check the design of fire flaps for mine shafts. Bezop. truda v prom.
6 no. 318-9 Mr '62. (MIRA 15:3)

1. Gosudarstvennyy komitet pri Sovete Ministrov Ukrainskoy SSR
po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu
nadzhoru.

(Mines fires—Safety measures)

KURCHENKO, B.

KURCHENKO, B.

Recurrent servicing of transmission devices. Avt. transp. 35 no. 12:
10-11 D '57. (MIRA 11:1)
(Automobiles--Transmission devices)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620020-3

~~SECRET INFORMATION~~
KURCHENKO, B.P.

Deformation of bearings in bevel gear drives. Avt. prom. no.1:19-22
Ja '58. (MIRA 11:2)
(Bearings (Machinery)) (Gearing, Bevel)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620020-3"

KORNIYEVSKAYA, G.P.; KURCHENKO, F.P.

Sensitivity of the reaction of complement fixation during foot-
and-mouth disease. Veterinarija 41 no.8:19-20 Ag '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy
virusologii i mikrobiologii. (MIRA 18:4)

KURCHENKO, D.G., gornyy inzhener.

Efficient method of pillar drawing in the room and pillar mining system. Gor. zhur. no.7:30-32 Jl '57. (MLRA 10:8)
(Mining engineering)

McGinnis, D. J., and Paul G. — (cited) "Report on the physical
and chemical properties of coal pillars in mines in the University of Illinois, " *Under-*
ground Mining, 1960, 14 pp. (unpublished mining research and design)

СВЕРНІКЕВІДАЙ, О.І. ; КУРЧАТІВСЬКИЙ, Р.І.

Effect of hydrocortisone and cortisone acetate on the change
in the susceptibility of white mice to the virus of foot-
and-mouth disease. Veterinariia 41 no.11:15-16, N '62.

І. Весеніківський кафедральний науково-вивчальний інститут ветерінарної
фізіології і мікробіології.

(МІР 18:11)

KURCHENKO, I.N.; KONEV, F.A. [Koniev, F.A.]

Study of the stability of ergotamine solution for injections.
Farmatsev. zhur. 20 no.5:13-16 '65. (MIRA 18:11)

I. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Submitted March 29, 1965.

KURCHENKO, I.N.; KONEV, F.A.

Study of the stability of 5% thiamine chloride solutions for injections. Apt. delo 13 no.4;27-30 Jl.-Ag '64. (MIRA 18:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsvtsi-cheskiy institut.

KURCHENKO, M.D.

Some problems of checking and preparing bottles at a liqueur
and vodka plant. Spirt. prom. 25 no. 4:36-37 '59.

(MIRA 12:?)
(Liquor industry--Equipment and supplies)

KONEV, F.A. [Koniev, F.A.]; KURCHENKO, I.N.

Studying the stability of ergotol injection solution. Farmatsev.
zhur. 17 no.6:40-43 '62. (MIRA 17:6)

l. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620020-3

AM RYJOV, M.F. (Ryjk); MICHAILOV, S.A. (Mikhailev); S. V. (S. V.)

Clinical and virological study of the disease of the heart
Sber. med. Akad. Russ. Infekts. Inst. 1951, No. 11

(MIRA 1656)

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CIA-RDP86-00513R000927620020-3"

KURCHENKO, V. D.

USSR/ Chemistry - Photofilm Stabilizers

Aug 52

"The Change in the Amount of Stabilizers in Triacetate Films During Destruction by Oxidation at Elevated Temperatures," A. A. Freymann, V. A. Bartashov, L. I. Shagalova, N. L. Perfileva, V. D. Kurchenko, Lab of Techno for Moving Picture Film Base, Leningrad Inst of Moving Picture Film Engineers

"Zhur Prik Khim" Vol 29, No 8, 884-889

States that stabilizers present in films are subject to chem change to a greater deg than stabilizers in their free form, under similar conditions. The nature of the change in the quantity of phenyl-a-naphthylamine and phenyl-B-naphthylamine is identical in films. During the process of oxidation, the amt of stabilizer changed, whereas there was no thermal decompn of phenyl-B-naphthylamine when heated at 140° C. Intermediate products of the oxidation of aromatic amines were also shown to be stabilizers of triacetate films. The action of oxygen on plasticized, stabilized films, at a temp of 140° C, was studied. The simultaneous presence of a stabilizer (secondary amine) and dibutylphthalate assured a greater resistance of both to the effect of oxygen at high temps.

PA 228T13

SENKEVICH, O.V.; DOLETSKAYA, N.N.; KURCHENKO, V.F.; SEREBRENNAYA, B.M.;
SILAKOVA, I.R.; TATARIN, P.T.; SHUBINA, L.A.; NADEINSKAYA, A.A.,
tekhn.red.

[Physical and chemical methods of analyzing mine methane] Fiziko-
khimicheskie metody analiza rudnichnogo vozdukh. Pod obshchel
red. O.V.Senkevich. Moskva, Ugletekhizdat, 1957. 425 p.
(MIRA 10:12)

(Methane) (Mine gases)

S/121/60/000/008/011/012
A004/A002

AUTHOR: Kurchenko, V. I.

TITLE: The Practice of Applying Anode-Mechanical Cutting

PERIODICAL: Stanki i instrument, 1960, No. 8, pp. 35-37

TEXT: The author describes an anode-mechanical disk-type cutting machine of new design, which, compared with similar machines, possess a number of advantages. Most of the deficiencies of other machines of this type, like wedging of the disk, curving of the cut, melting of the metal towards the end of the cutting operation, have been eliminated. The efficiency of this machine is by 2.5-4 times higher than that of other anode-mechanical cutting machines. The increase in efficiency and cutting quality is obtained mainly by the following factors:

1. Using special guides for the cutting disk in the form of ceramic plates fastened to metallic holders. These guides are placed on both sides of the bar to be cut. This arrangement ensures a width of cut of not more than 1 mm and the perpendicularity of the disk in regard to the bar axis during the whole cutting process. It is not expedient to use hard-alloy or other metallic guides in non-conducting holders. 2. The blank to be cut rotates during the operation owing to which a quick-changing contact is ensured between disk and blank, while

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S/121/60/006/008/011/012
A004/A002

The Practice of Applying Anode-Mechanical Cutting

the total contact time is considerably lower. 3. A pneumatic clamping device is used for holding the bars. The efficiency of anode-mechanical cutting is proportional to the current magnitude. A reduction of the width of cut results in a current reduction, while the volume of removed metal decreases accordingly. Therefore, in any given case, the optimum width of disk should be used. For the machine described, the optimum width of disk is 0.8 mm at a current magnitude of 500-800 amp (with d-c supply) and 1,000 amp (with a-c supply). The author presents graphs in which the technical data of ordinary anode-mechanical cutting machines and those of the machine of new designs are compared. In order to warrant an unrestricted removal of chips it is necessary that the axis of the cutting disk is shifted relative to the axis of the blank by more than half of its diameter ($A > \frac{D}{2}$). In this case the chips will flow freely by the descending curve instead of by the ascending one. There are 2 figures. ✓

Card 2/2

KU.CHENKO, Vladimir Ivanovich; KOSMACHEV, I.G., red.; GRIGOR'YEVA, I.S., red. Izd-va; BELOGUROVA, I.A., tekhn. red.

[Use of electric spark machining in the manufacture of metalworking tools] Primenenie elektroerozionnoi obrabotki v instrumental'nom proizvodstve. Leningrad, 1962. 17 p. Leningrad, 1962. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen peredovym opyтом. Seriya: Mekhanicheskaya obrabotka metallov, no.18) (MIRA 15:11) (Metalworking machinery) (Electric metal-cutting)

1. KURCHENKO, YE.E.
2. USSR (600)
4. Agriculture
7. Irrigation with snow water in Stalingrad Province. Stalingrad, Oblastnoe izd-vo, 1952
9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

KURCHENKO, Ye.I.

Biology of flowering and seed reproduction of the foxtail
Alopecurus vaginatus Pall. Biul. Clav. bot. sada no.53:56..
61 '64. (MIR 17:6)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut
imeni V.I. Lenina.

KURCHENKO, Ye.I.

Anatomy of the leaf of the foxtail *Alopecurus vaginatus* Pall.
Biul. MOIP. Otd. biol. 70 no.3:71-80 My-Je '65.

(MIRA 18:10)

U 0500-66 PM(1)/FCC GD/GW
ACC-NR AT6027234

SOURCE CODE: UR/0000/66/000/000/0156/0159

AUTHOR: Luzov, A. A.; Kurchenko, Yu. A.

ORG: none

TITLE: A semiconductor converter of atmospheric pressure quantities

SOURCE: AN SSSR. Sibirskoye otdeleniye. Sibirs'kiy institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln. Issledovaniya po geomagnetizmu i aeronomii (Studies in geomagnetism and aeronomy). Moscow Izd-vo Nauka, 1966, 156-159

TOPIC TAGS: atmospheric pressure, pressure measuring instrument, semiconductor triode, nonelectric quantity converter

ABSTRACT: Investigations of the intensity of cosmic radiation as a function of atmospheric pressure require the recording of atmospheric pressure quantities at a high level of accuracy. Taking into consideration the accuracy of the existing atmospheric pressure measurement instruments, the present authors confine their study to a development of a converter of atmospheric pressure employing a type SR-A mercury barometer as the sensing element. The converter described is a regenerative sensor, the measuring coil of which is located on the tube of the barometer. The electronic part of the regenerative sensor consists of

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ACC NR: AT6027224

an amplifier (P403 transistors) with a positive feedback; the maximum sensitivity and stability of the generation frequency are provided by a measuring coil employed as a resonance circuit. Generation is assured by the presence of feedback and the fulfillment of the condition $K\beta > 1$, $\varphi_1 - \varphi_2 = 0$ ($A\beta_i > 1$, $\varphi_1 - \varphi_2 = 0$, for transistors). Here, $K(A_i)$ is the voltage (or current) amplification; $\beta(\beta_i)$ is the voltage (or current) feedback coefficient. An analysis of the variations in the parameters of individual stages of the converter with temperature variations shows that the regenerative amplifier will be subjected to the influence of the temperature as a result of the change in amplification as well as due to the frequency and phase variations. A precise accounting of the behavior of the regenerative amplifier may be obtained by experimental means; the authors, however, confine themselves to the inclusion of thermostable elements into the circuit. Under the experimental conditions, the results obtained in the measurement of the atmospheric pressure by the converter described agreed practically with the results obtained by means of a mercury barometer. In conclusion, the authors express their gratitude to Yu. I. Trishkina for her assistance in assembling and testing the converter. Orig. art. has: 4 figures. [26]

SUB CODE 08,09 SUBM DATE: 25Dec65/ ORIG REF: 007 / ATD PRESS: 5083

Card 2/2 *pls*

CA

KURCHENKOV, S.A.

The binary system of sodium, silver, and barium nitrates. S. A. Kurchenkov. Uchenye Zapiski Kazan. Gerasimov. Uchebnoe v. 1. Otdelenie. Leningrad 1941, No. 3. Sbornik Sistematskikh Rabot No. 3, 79-8 (1941). — There is a ternary eutectic at 65.74% AgNO_3 , 31.66% NaNO_3 , and 3.60% $\text{Ba}(\text{NO}_3)_2$. $\text{Ba}(\text{NO}_3)_2$ is the least sol. component, and $\text{AgNO}_3 \cdot \text{Ba}(\text{NO}_3)_2$ has an intermediate solv. The solid soln. of AgNO_3 and NaNO_3 is most sol. H. M. Lester.

2

450-514 METALLURGICAL LITERATURE CLASSIFICATION

| 450-514 | 101000 110000 120000 | 130000 140000 150000 | 160000 170000 180000 | 190000 200000 210000 | 220000 230000 240000 | 250000 260000 270000 | 280000 290000 300000 | 310000 320000 330000 | 340000 350000 360000 | 370000 380000 390000 | 400000 410000 420000 | 430000 440000 450000 | 460000 470000 480000 | 490000 500000 510000 | 520000 530000 540000 | 550000 560000 570000 | 580000 590000 600000 | 610000 620000 630000 | 640000 650000 660000 | 670000 680000 690000 | 700000 710000 720000 | 730000 740000 750000 | 760000 770000 780000 | 790000 800000 810000 | 820000 830000 840000 | 850000 860000 870000 | 880000 890000 900000 | 910000 920000 930000 | 940000 950000 960000 | 970000 980000 990000 | 1000000 1010000 1020000 | 1030000 1040000 1050000 | 1060000 1070000 1080000 | 1090000 1100000 1110000 | 1120000 1130000 1140000 | 1150000 1160000 1170000 | 1180000 1190000 1200000 | 1210000 1220000 1230000 | 1240000 1250000 1260000 | 1270000 1280000 1290000 | 1300000 1310000 1320000 | 1330000 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2490000 | 2500000 2510000 2520000 | 2530000 2540000 2550000 | 2560000 2570000 2580000 | 2590000 2600000 2610000 | 2620000 2630000 2640000 | 2650000 2660000 2670000 | 2680000 2690000 2700000 | 2710000 2720000 2730000 | 2740000 2750000 2760000 | 2770000 2780000 2790000 | 2800000 2810000 2820000 | 2830000 2840000 2850000 | 2860000 2870000 2880000 | 2890000 2900000 2910000 | 2920000 2930000 2940000 | 2950000 2960000 2970000 | 2980000 2990000 3000000 | 3010000 3020000 3030000 | 3040000 3050000 3060000 | 3070000 3080000 3090000 | 3100000 3110000 3120000 | 3130000 3140000 3150000 | 3160000 3170000 3180000 | 3190000 3200000 3210000 | 3220000 3230000 3240000 | 3250000 3260000 3270000 | 3280000 3290000 3300000 | 3310000 3320000 3330000 | 3340000 3350000 3360000 | 3370000 3380000 3390000 | 3400000 3410000 3420000 | 3430000 3440000 3450000 | 3460000 3470000 3480000 | 3490000 3500000 3510000 | 3520000 3530000 3540000 | 3550000 3560000 3570000 | 3580000 3590000 3600000 | 3610000 3620000 3630000 | 3640000 3650000 3660000 | 3670000 3680000 3690000 | 3700000 3710000 3720000 | 3730000 3740000 3750000 | 3760000 3770000 3780000 | 3790000 3800000 3810000 | 3820000 3830000 3840000 | 3850000 3860000 3870000 | 3880000 3890000 3900000 | 3910000 3920000 3930000 | 3940000 3950000 3960000 | 3970000 3980000 3990000 | 4000000 4010000 4020000 | 4030000 4040000 4050000 | 4060000 4070000 4080000 | 4090000 4100000 4110000 | 4120000 4130000 4140000 | 4150000 4160000 4170000 | 4180000 4190000 4200000 | 4210000 4220000 4230000 | 4240000 4250000 4260000 | 4270000 4280000 4290000 | 4300000 4310000 4320000 | 4330000 4340000 4350000 | 4360000 4370000 4380000 | 4390000 4400000 4410000 | 4420000 4430000 4440000 | 4450000 4460000 4470000 | 4480000 4490000 4500000 | 4510000 4520000 4530000 | 4540000 4550000 4560000 | 4570000 4580000 4590000 | 4600000 4610000 4620000 | 4630000 4640000 4650000 | 4660000 4670000 4680000 | 4690000 4700000 4710000 | 4720000 4730000 4740000 | 4750000 4760000 4770000 | 4780000 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nauk

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(Precast concrete construction) (MIRA 13:7)

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(MLRA 6:12)

1. Laboratoriya morfologii bespozvonochnykh Instituta morfologii zhivotnykh
Akademii nauk SSSR.
(Wireworm)

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Occurrence of phytophagous scarabs in the southeastern European
U.S.S.R. Zool. zhur. 35 no.1:45-58 Ja '56. (MLRA 9:5)

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(Scarabaeidae)

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Peculiarities of structure of the *Chloropterus versicolor* F. Mor. larvae due to soil-dwelling [with English summary in insert].
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1. Laboratoriya morfologii bespozvenochnykh Institutu morfologii zhivotnykh AN SSSR.
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Some larvae of leaf-horned beetles (Coleoptera, Lamellicornia)
inhabiting decaying wood in the Caucasian forests [with summary
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KURCHEVA, G.F.

Role of invertebrates in the decomposition of forest litter in the
Central Black Earth zone. Vop. ekol. 7:94-95 '62. (MIRA 16:5)

1. Institut morfologii zhivotnykh AN SSSR, Moskva.
(Central Black Earth preserve—Forest litter)
(Invertebrates)

TAYCHINOV, S.N., prof.; VANYUKOV, Ya.I.; GALIMOV, G.F.; KURCHAEV, P.A.; CHMELEV, M.P.; GARIFULLIN, F.Sh.; BURANGULova, M.N.; MOSEYeva, Z.V.; SHAROVA, A.S.; CHMELEV, M.P.; MAZILKIN, I.A.; GIZZATULLIN, S.G.; DOBROV, A.V.; KUZNETSOV, F.V.; FILATOV, L.P., red.; KOBYAKOV, I.A., tekhn.red.

[Soils of the Mazhita Gafuri Collective Farm and their efficient utilization] Pochvy kolkhoza imeni Mazhita Gafuri i puti ikh ratsional'nogo ispol'zovaniia. Pod red. S.N.Taichinova. Ufa, 1960. 124 p. (MIRA 14:1)

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KURCHEYEV, P.A.

Physical and chemical properties of the calcareous Chernozems of
Bashkiria. Mat. po-izuch. pochv Bash. ASSR no.1:159-169 '60,
(MIRA 14:3)
(Bashkiria—Chernozem soils)

AUTHORS: Ayzenshtayn, P. G. and Kurchik, A. N. SOV/65-58-10-7/15

TITLE: Some Characteristics of Deemulsifiers, Dissolved in Petroleum (O nekotorykh osobennostyakh deemul'gatorov, rastvorimykh v neftyakh)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel. 1958, Nr 10, pp 34 - 36 (USSR)

ABSTRACT: Deemulsifiers are used for dehydration of petroleum and are generally soluble in water (NChK, NKG). The presence of these products in effluents from petroleum refineries makes purification more difficult and also increases the content in organic compounds. Aluminium naphthenate shows good solubility in petroleum. Its preparation was described in detail by Ye. A. Myshkin (Ref. 1). This reagent has been used in the Gor'kiy Petroleum Refinery for the last twenty-five years (up to 1956) and gave good results. It is insoluble in water, and contrary to NChK and sulphonate, it does not pollute the effluents; it is prepared from the alkaline waste products by treatment with aluminium salts which decreases considerably their organic compound content. The Gor'kiy Refinery also produces a sulpho-naphtha deemulsifier from acidic goudrons.

Card 1/4

SOV/65-58-10-7/15
Some Characteristics of Deemulsifiers, Dissolved in Petroleum

Since 1956 the refinery has been processing "Archeda" petroleum which contains very small quantities of naphthenic acids. The petroleum is dehydrated and desalinated by washing with hot water in the presence of the sulpho-naphtha deemulsifier. Acidic goudrons obtained during the purification of Archeda distillates also contain surface active substances which are similar to sulpho-acids. The yield of alkaline waste products is considerably lower than during the purification of petroleums which contain a large amount of naphthenic acids, but the quantity of organic substances reaches 50 to 100,000 mg/litre. The authors investigated the possibility of preparing deemulsifiers of the aluminium sulpho-naphthenate type from these waste materials; according to Ye. A. Myshkin this compound is more active than aluminium naphthenate. The Archeda reagent is a very satisfactory deemulsifier and according to the statements by Chemical Engineer Ye. V. Timofeyuk and by the Laboratory Assistant R. Ye. Grigor'yeva it has been used for dehydration of petroleum since April, 1957. However, it causes strong corrosion of the distillation plates, of the walls of the columns, pumps etc., but

Card 2/4

Some Characteristics of Deemulsifiers, Dissolved in Petroleum

SOY/65-58-10-7/15

during ordinary temperature conditions this reagent, as well as aluminium naphthenate, does not contain water-soluble acids and does not corrode metals. The thermal stability of the reagent was tested in an Engler apparatus which contained the reagent in solution, and the water-soluble acids were then defined in the distillate and in the residue. It was found that aluminium naphthenate shows thermal stability, and that the aqueous extract, obtained during the distillation up to 350°C, gives a neutral reaction. A reagent produced from alkaline waste materials, according to an analogous method, is decomposed during heating and acid compounds are separated; this causes strong corrosion. It cannot, therefore, be used as a deemulsifier even though good results were obtained during dehydration and salting out processes. At present the alkaline waste materials

Card 3/4

Some Characteristics of Deemulsifiers, Dissolved in Petroleum SOV/65-58-10-7/15

are treated with aluminium salts to decrease the content of organic compounds in the effluents. There is 1 Soviet Reference

ASSOCIATION: Gor'kovskiy neftemaslozavod im. 26 Bakinskikh komissarov
(Gor'kiy Petroleum Refinery imeni 26 Baku Commissars)

Card 4/4

L 7901-66 EWT(m)/EPF(c)/T/EWP(t)/EWP(k)/EWP(b)/EWA(h)/EWA(c) JD/EW/DJ

ACC NR: AP5025000

SOURCE CODE: UR/0286/65/000/016/0062/0062

AUTHORS: Zolotareva, N. N.; Stolyarenko, G. A.; Kurchik, N. N.

ORG: none

TITLE: Lubricating-cooling liquid for cold working of metals, Class 23, No. 173870 ¹⁶ _{11/14}
Announced by Gorkiy Petrolubricants Factory (Gor'kovskiy neftemaslozavod)

SOURCE: Byulleten' izobroteniy i tovarnykh znakov, no. 16, 1965, 62

TOPIC TAGS: cold metal working, lubricating liquid, cooling liquid, cold working

metallurgy compound, lubricant

ABSTRACT: This Author Certificate describes a lubricating-cooling liquid for
cold working of metals, based on an aqueous solution of sodium nitrite. To im-
prove the quality of emulsion and its antiscoring properties, ethylene glycol
sodium sulfonate and disodium monohydrogen phosphate are added to the solution.
The solution consists of 10-20 wt% ethylene glycol, 1-5 wt% sodium sulfonate,
and 2-4 wt% Na₂HPO₄.

SUB CODE: 11,01/ SUBM DATE: 21Sep64

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Card 1/1

UDC: 621.892.6:621.7.016.3

W. R. C. M. M. L.
LINYAK, G.I.; KURCHIK, K.I.; P'YANKOV, K.I., retsenzent; KUTENKOVA, O.M.,
tekhn.red.

[New method of warming frozen ground] Novyi metod otogreva merslykh
gruntov. Sverdlovsk, TSentr. biuro tekhn. inform., 1957. 11 p.
(Frozen ground) (MIRA 11:5)

KURCHIK, Ya.I., inzh.

Mobile unit for heating soil. Nov.tekh.mont. i spets.rab. v
stroi. 21 no.4:22-24 Ap '59. (MIRA 12:5)

1. Stroyotdel Sverdlovskogo sovnarkhoza.
(Frozen ground)

USSR / Diseases of Farm Animals. General Problems.

R

Abstr Jour : Ref Zhur - Biol., No 22, 1958, No 101550

Author : Kurchikov, N. M.

Inst : Leningrad Scientific Research Veterinary Institute.

Title : The Use of Antibiotics for Postnatal Disease Prophylaxis
in Cows.

Orig Pub : Byul. nauchno-tekhn. inform. Leningr. n.-i. vet. in-ta,
1957, vyp. 4, 9-10.

Abstract : No abstract given.

Card 1/1

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MAL'TSEV, Mikhail Mitrofanovich, general-major, Geroy Sotsialisticheskogo Truda; KURCHIN, Grigorij Iosifovich; SOKOLOV V.D., podpolkovnik, red.

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[Economy of Magadan Province; statistical collection] Narodnoe khoziaistvo Magadanskoi oblasti; statisticheskii sbornik. Magadan, 1960. 110 p. (MIRA 14:10)

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Institute of High Molecular Compounds of the Acad. Sci. USSR, Leningrad.

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KURCHINSKIY, I.M. [Kurchyns'kyi, I.M.], vrach-stomatolog

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Ag '58. (MIRA 12:1)
(TEETH--TRANSPLANTATION)

NIKOBADZE, I.I.; TATISHVILI, Ir.Ya.; KURCHISHVILI, I.B.;
ZHGENTI, V.K., akademik, red.; ZURABASHVILI, A.D.,
akademik, red.; KAVTARADZE, P.P., akademik, red.;
TSULUKIDZE, A.P., akademik, red.; ERISTAVIK K.D.,
akademik, red.; CHITAYA, G.S., red.; KHUNDADZE, G.R.,
zasl. deyatel' nauki, prof., red.; MESKHIA, Sh.A.,
prof., red.

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NIKOBADZE, I.I., prof., KURCHISHVILI, I.B., kand.med.nauk

Medicine and public health in Tiflis; 1500th anniversary of Tbilisi.
(MIRA 11:11)
Sov.med. 22 no.10:134-140 0 '58

1. Iz kafedry organizatsii zdravookhraneniya (zav. - prof.
I.I. Nikobadze) Tbilisskogo instituta usovershenstvovaniya vrachey
(dir. - prof. G.R. Khundadze).

(MEDICINE,
in Russia (Rus))
(PUBLIC HEALTH,
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АКАДЕМИК
KURCHITSER, M., inzhener.

New trucks for water system repairs. Zhil.-kom.khoz. 7 no.7:28-29
'57. (MIRA 10:10)

(Water supply)
(Motor trucks)

KURCHITSER, M.I., inzh.

New snow-removing machine. Avt.dor. 23 no.3:19-20 Mr '60.
(MIRA 13:6)
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KURCHITSER, M. I.; LOSEV, V.A.

The ATM-2 repair truck for servicing streetcars. Gor. khoz. Mosk.
34 no.11:29-30 N '60. (MIRA 13:11)

1. Akademiya komminal'nogo khozyaystva imeni K.D. Pamfilova.
(Streetcars--Maintenance and repair)

KURCHITSER, M.I., inzh.; ZHIBITSKIY, B.D., inzh.

Machines for water-supply management. Vod.i san.tekh. no.3:9-10
Mr '62. (MIRA 15:8)
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KURCHITSER, M., inzh.; LOSEV, V., inzh.

"TVV" streetcar with a tower for servicing contact networks.
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KURCHITSKIY, V.

Dental care in Gomel' Province. Zdrav. Bol. 7 no. 4:28-29 Ap '61.
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1. Glavnnyy oblastnoy stomatolog Gomel'skoy oblasti.
(GOMEL' PROVINCE—TEETH—CARE AND HYGIENE)

KURCHMAN, B.S.; CHERNOV, A.N., redaktor; ZUDAKIN, I.M., tekhnicheskiy
redaktor.

[Precision casting] Tochnoe lit'e. Moskva, Gos.izd-vo oboronnoi
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(Precision casting)

1958, U.S. Eng.)

"Special Features of Castings Heat-Resistant Alloy Parts by the Lost-Wax Process,"
Metody polucheniya otlojok povyshennoy tochnosti (Methods of Making High-Precision Castings), Moscow, Mashgiz, 1958. 140 p.

PURPOSE: This book is intended for engineers and technicians at plants and institutes, as well as in research and planning organizations in all branches of the machine-building industry.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1462

Kurchman, Boris Semenovich

Technoje lit'ye po vyplavlyayemym modeljam (Precision Investment Casting)
Moscow, Oborongiz, 1958. 171 p. (Series: Bibliotekha rabochego aviat-
sionnoy promyshlennosti) 7,000 copies printed.

Reviewer: M. I. Kuptsov, Engineer; Ed.: T.M. Kunyavskaya; Ed. of Publishing
House: L.I. Sheynfayn; Tech. Ed.: V.I. Oreshkina, Managing Ed.: A.I. Sokolov,
Engineer.

PURPOSE: This book is intended for workers in precision casting departments
and shops.

COVERAGE: This book describes the process of precision investment casting,
its history, the existing methods, and their accuracy as well as the specific
features of the process. It also gives information on materials used for
patterns and molds and their preparation. Various systems of pouring and
casting are cited, as well as cluster castings and their assembly. Also
mentioned are the important coating materials, their compositions, appli-
cation and role in the casting process. Finally, the alloys used in this
casting method and their properties are specified. No personalities are
mentioned. There are 24 Soviet references.

Card-1/5

OZEROV, Vladimir Aleksandrovich; FEL'DMAN, Solomon Samoylovich; SHKLENNIK, Yan Ivanovich; KRESHCHANOVSKIY, N.S., kand. tekhn. nauk, retsenzent; KURCHMAN, B.S., inzh., nauchnyy red.; MODEL', B.I., tekhn. red.

[Lost-wax process in precision casting] Lit'e po vyplavliaemym modeliam. Moskva, Gos. nauchno-tehn. izd-vo mashinostroit. lit-ry, 1958. 321 p.

(MIRA 11:9)

(Precision casting)

S/123/59/000/09/29/036
A002/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 9, p. 199,
34353

AUTHOR: Kurchman, B. S.

TITLE: The Peculiarities of Casting Parts From Heat-Resistant Alloys by
Precision Casting With Disposable Patterns

PERIODICAL: V sb.: Metody polucheniya otlivok povyshennoy tochnosti, Moscow, /
Mashgiz, 1958, pp. 79-92

TEXT: Characteristics of the pattern compounds used for casting parts
from heat-resistant alloys are given. The technological process of producing
such castings is described. There are 3 figures.

B. M. Ya.

Translator's note: This is the full translation of the original Russian
abstract.

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SEARCHED

7

PHASE I BOOK EXPLOITATION

SOV/5976

Shklenik, Ya. I., A. V. Baranov, V. N. Ivanov, S. A. Kazennov, B. S. Kurchman,
N. N. Lyashchenko, R. A. Marulidi, G. K. Militsin, V. A. Ozerov, A. I.
Sitnichenko, M. Ya. Telis, and M. L. Khenkin

Lit'ye po vyplavlyayemym modelyam (Investment Casting) [Leningrad] Mashgiz
[1961] 455 p. (Series: Inzhenernyye monografii po liteynomu proizvodstvu)
Errata slip inserted. 8000 copies printed.

Eds. (Title page): Ya. I. Shklenik and V. A. Ozerova; Reviewers: N. D. Titov,
Candidate of Technical Sciences, and A. I. Klauzen, Engineer; Ed.: Yu. L. Markiz,
Engineer; Tech. Eds.: A. Ya. Tikhonov, Z. I. Chernova and V. D. El'kind; Man-
aging Ed. for Literature on Hot-Working of Metals: S. Ya. Golovin, Engineer.

PURPOSE: This book is intended for engineering and technical personnel in the
metalworking industry and for scientific research workers. It may also be used
by students specializing in foundry work.

COVERAGE: The book reviews the most important problems in investment casting.
Among the topics considered are the following: mechanical properties of castings;

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Investment Casting

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the manufacture of castings; precision surface quality; materials and methods of making patterns and molds; the melting of metals and alloys; pouring, cleaning, heat treatment, and inspection of castings; economic aspects in the production of castings; organization of production; and modern concepts relating to processes taking place in the manufacture of investment castings. No personalities are mentioned. There are 180 references, mostly Soviet.

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Properties of castings	12
Dimensional precision	13
Surface quality	13
Mechanical properties of cast metal	16
Design elements of castings	19

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S/262/62/000/007/004/016

1007/1207

AUTHOR: Kossov, M. A. and Kurchman, B. S.

TITLE: Material for "hot" components of automobile gas turbine engines

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustavovki, no. 7, 1962, 36, abstract 42.7.158. "Avtomob. prom-st", no. 10, 1961, 29-33

TEXT: Suggestions are made in the choice of material for "hot" components of automobile gas turbine engines. These suggestions were checked in practice for the НАМИ (NAMI) 053 gas turbine of 350 bhp. Due to difficulties in machining high-temperature alloys, it is better to cast stator and rotor heads as well as the ring-shaped parts of the stator heads, of high-temperature alloys by the lost-wax process, which permits the use of alloys having higher temperature-strength. The following alloys are recommended: for rotor blades ВЛ7-20 (VL7-20), ВЛ7-45Y (VL7-45U), АНВ-300 (ANV-300), ЖС-6 (ZhS-6), and ЖС-6К (ZhS-6K); for turbine discs ЭИ-415 (EI-415); EI-481, and EI-787; for stator blades EI-417, VL-7-20, VL7-45U; for components of the combustion chamber and exhaust manifolds ЭЯ1Т (EYa1T); EI-657, ЭП-26 (EP-26), and EI-417.

[Abstracter's note: Complete translation.]

Card 1/1

2 - 100 - Lurhman, B. S.; Lashko, N. F.; Mikhaylov, V. V. - Report No. 9

the Ti content is increased to 2.8%. The thermal stability of AMV 100 is not re-

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VERSHININ, V.V.; KRIVENKOV, N.A., KURCHUK, Ye.I.

SPP dry dust collectors. Gor.zhur. no.5:69-70 My '60. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy ekonomicheskiy institut Gosplana RSFSR (for Vershinin). 2. Institut gornogo dela AN SSSR (for Krivenkov).

(Mine dusts)
(Dust collectors--Cold weather conditions)

BYKOV, K. M.; KURCIN, I. T.

Normal and pathological aspects of cortico-visceral relationship.
Sborn. patofisiol. trav. vyz. 5 no. 5:185-197 1951. (CLML 22:3)

1. Academician K. M. Bykov and I. T. Kurcin, Doctor of Medical Sciences.

KURCIN, I.T.

KURCIN, I.T.

Present state of physiology and pathology of the stomach according
to the Pavlovian theory. Sborn. pathofysiolog. trav. vyz. 8 no.2:
57-67 My '54.

(STOMACH,

*physiol. & pathol., Pavlovian theory)

ERGAM, I.T.

Mechanism of cortico-motor relationship. Folio med. (Pavlov)
7 no.1:8-13 1965

1. Academy of Sciences U.S.S.R, Leningrad; U.S.S.R. Institute
of Physiology "I.P.Pavlov". (Chief's prof. G. M. Gulyaev).

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KURCIO, Wladyslaw

Quantitative effect of serial tests on the number of detected
enterobiasis in the rural environments. Wiad. parazyt. 10
no.1:63-68 '64.

1. Powiatowy Komitet Higienizacji Wsi, Miechow.

Ł. M., Obigniak, MURCIO, Wladyslaw

Epidemiologic study of trichinosis by means of the skin test
on inhabitants of Miechow in Cracow region. Wied. parazytol. 10
no.4:350-351 '64

1. Pracownia Antropozoologiczna Zakładu Parazytologii Śląskiej
Akademii Nauk, Wrocław i Powiatowy Wydział Lekarski, Miechow.

FURCI, Lady: low

An attempt to control parasites of the intestinal tract in a rural population as a part of an hygiene program. In c. 'unazyt. 10 no. 4. 1961. '61

1. Powiatowy Wydział Sanitarny, Michałk.

KOZAR, Zbigniew; KURCIO, Wladyslaw

Epidemiologic investigations on trichinellosis by means of
allergic test in Miechow district, Cracow voivodeship.
Wiad. parazytol. 10 no.6r739-746 '64

1. Laboratory of Antropozoonoses of the Department of Parasitology, Polish Academy of Sciences and Department of Parasitology, Veterinary Faculty, Wroclaw, Poland.

BREZNY, Bohuslav, inz.; KURCOVA, Alexandra, promovany chemik

Fast analysis of the $ZrSiO_4$ and ZrO_2 . Hut listy 18 no.3:204-206 Mr
'63.

1. Vyskumny ustav pre hutnickou keramiku, Bratislava.

SOJAK, L.; GREGORIK, M.; KUBOVÁ, J.

Separating light patrols by gas chromatography. Ropa i uhlie
5 no.10:289-293 0 '63.

1. Slovnaft, n.p., Vyskumny ustav pre ropu a uhlovodikove plyny,
Bratislava.

KRUTA, Jarmil, dr.; HOLUB, Jiri, dr.; KURCOVA, Vlasta; HALOVA, Mila.

Experience from a year's stay at the children's department of the
Czechoslovak Red Cross Hospital in Korea. Cesk.pediat. 11 no.2-3;
208-214 Mar 56.

(HOSPITALS

Czech. Red Cross Hosp. in Korea, pediatric department)

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KURCSATOV, I.V. [Kurchatov, I.V.]; KOJZOGH, Akosne [translator]

Controllable thermonuclear reaction research at the Institute of
Atomic Energy, Soviet Academy of Sciences. Atom taj 2 no.2:69-82
Ap '59.

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